

Road Design Tasks for Completion Milestones	
Preliminary Plan Tasks	
Task Status	Common Tasks
30% Preliminary	
Completed	<ol style="list-style-type: none"> 1. Survey 2. Pre-design criteria established 3. Plan and profile sheets with existing topo 4. Traffic data 5. Preliminary typical sections submitted (with traffic data) for review 6. Soil boring and pH/resistivity request submitted 7. Title sheet
In Progress	<ol style="list-style-type: none"> 1. Preliminary typical sections being reviewed 2. Pavement design 3. Horizontal and vertical alignments 4. Soil boring and pH/resistivity data 5. Utility and railroad review
60% Preliminary	
Completed	<ol style="list-style-type: none"> 1. Horizontal and vertical alignments 2. Geometric details submitted for review 3. Hydraulic design submitted for review 4. Cross sections 5. Preliminary typical section 6. Utility relocation recommendations and railroad comments
In Progress	<ol style="list-style-type: none"> 1. Earthwork computations 2. Construction notes & details 3. Preliminary right-of-way taking lines 4. Utility and railroad company coordination 5. Sequence of construction and construction signing
95% Preliminary (Plan-In-Hand)	
Completed	<ol style="list-style-type: none"> 1. Geometric and hydraulic comments addressed 2. Preliminary sequence of construction and construction signing 3. Preliminary right-of-way taking lines 4. Utility and railroad company comments addressed 5. Summary of estimated quantities sheet (no quantities needed, only pay items) 6. Preliminary QA/QC check 7. Assemble plans 8. Pre plan-in-hand review "90% Preliminary" 9. Plan-in-hand distribution
100% Preliminary	
Completed	<ol style="list-style-type: none"> 1. Plan-in-hand comments addressed 2. Final right-of-way taking lines transmitted to Location and Survey 3. Permit sketches 4. Preliminary cost estimate

Figure 1-03: Road Design Tasks for Completion Milestones
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Final Plan Tasks	
Task Status	Tasks
60% Final	
Completed	<ol style="list-style-type: none"> 1. Final typical sections submitted for review & approval 2. Final hydraulic design submitted for review
In Progress	<ol style="list-style-type: none"> 1. Summary sheets 2. Joint layouts 3. Graphical grades 4. Reviewing right-of-way maps 5. Finalizing hydraulic design 6. Finalizing vertical & horizontal geometry 7. Finalizing construction notes
95% Final (Advance Check Prints)	
Completed	<ol style="list-style-type: none"> 1. Revise preliminary cost estimate 2. Final QA/QC check 3. Assemble plans 4. Pre advance check prints review "90% Final" 5. Constructability review form 6. Advance check prints distribution
In Progress	<ol style="list-style-type: none"> 1. Special provisions
98% Final	
Completed	<ol style="list-style-type: none"> 1. Advance check prints comments addressed 2. Final cost estimate 3. Plans transmitted to Contracts & Specs 4. Special provisions
100% Final	
Completed	<ol style="list-style-type: none"> 1. Plans, Specifications & Estimate 2. Plans transmitted to General Files

Figure 1-03: Road Design Tasks for Completion Milestones
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